

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Name of Work:- Asphaltting from Pipe line road junction to Abbigere village Abbigere Main road in ward no-12 Shettyhalli Sub-Division W.O:- NO EE/DD/NO/122/11-12 Dt-10/2/2012 Agency:- Technical Manager (West) KRIDL Sl:- 012-12-000019 Est cost:- 99.99 lakhs. I-1 scarifying existing stone metal layer upto 75 mm thick along with their bitumenous surface picking up scarified materials and stacking of old serviceable materials with lead of 100m sequential spreading of the salvaged aggregates with fresh aggregate on prepared surface complete as per specification. Qty vide pg no 164540/1 of M.B. 1646/10-11 1562.50 cum Qty vide pg no 167779/1 of this M.B. 735.57 cum						

Total 2298.07 cum

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09

167734

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	DPA vide pg no 164540/1 of M.B. 1646/10-11 1562.50 cum Qty now to be paid 490.03 cum @ 63-83 31277-00 I-2 construction of granular sub-base by providing close graded material mixing in a mechanical mix plant at OMC carriage of mixed material to work site spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller A plant method close graded granular sub-base material.						

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	Qty vide pg no	164545/2	of	M.B. 1646/10-11		356.14 cum	
	Qty vide pg no.	167779/2	of	this M.B.		115.48 cum	
	Dpa vide pg no					471.62 cum	
						356.14 cum	
	Qty vide now to be paid					115.48 cum	
	United					165.67 cum	
						983.88	
						103967.00	
S-3	providing and laying spreading and compacting graded stone aggregates to wet mix macadam specification including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site laying in uniform layers compacting vibratory roller to achieve the desired compaction complete as per specifications.						

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167735

Serial No.....

Name of work.....From.....To.....

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Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Qty vide pg no. 164546/1	of	M.B. 1646/10-11			393.59 cum	
	Qty vide pg no. 167780/1	of	this M.B.			192.48 cum	
	Total Qty					786.07 cum	
	Dpa vide pg no. 164546/1	of	M.B. 1646/10-11			593.59 cum	
						192.48 cum	
	Qty now to be paid					17610.4 mtr	
						@ 1061.64	
						186955.00	
I-1	providing and applying primer coat from 7.5 to 9.8 kg and 9.8 to 12.2 kg/10sqm for surfaces of low medium porosity respectively over prepared surfaces of granular base with bit back M.C. 70						

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	or any other bitumen mixed with diesel at 10 kg/10.5sqm heated in bitumen boiler fitted including cost of all materials labour Hom of machinery complete as per specifications.					2366.92 sqm 769.97 sqm 3136.89 sqm Total qty 2366.92 sqm 769.97 sqm Dpa vide pg no 164546/2 of M.B. 1646/10-11 769.97 sqm Qty now to be paid 711.83 @ 74=38 52946.00	
5-5	Tack coat providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.2 kg/sqm on the prepared granular surface cleaned with mechanical broom complete as per specification						

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167736

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Qty vide pg no. 164546/2 of M.B. 1646/10-11					2366.92 sqm	
	Qty vide pg no 164781/2 of this M.B.					769.97 sqm	
	Total Qty					3136.89 sqm	
	Dpa vide pg no 164546/2 of M.B. 1646/10-11					2366.92 sqm	
	Qty now to be paid					769.97 sqm	
	@ 9=07					711.83	
						6456.00	
I-6.	providing and laying bituminous macadam on prepared surfaces with crushed aggregates with F.E loader hot mixing of stone aggregates and bitumen in hot mix plant to the capacity						

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	transporting the mixed material in tipper to paver finisher to the required level and grade rolling by power roller to achieve the desired density 50/75mm compacting compacted thickness with 8.3% bitumen but excluding cost of primer / tack coat with lead upto 1km including cost of all materials labour 40M or machinery complete as per specifications say vide pg no 16454 7/2 of ~~MB.1646/10~~ 118.30 cum say vide pg no 167781/1 of this M.B. 38.48 cum Total qty 156.78 cum DPA vide pg no 16454 7/2 of M.B.1646/10-11C 118.30 cum say now to be paid 38.48 cum 35.64 cum 5295=31 195853=00						

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167737

Serial No.....

Name of work.....From.....To.....

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Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
J-7	providing and laying bituminous concrete 40mm thick with 100-12 TPH batch type hot mix plant Producing an average output of 75 tonnes per hour using crushed aggregates of specified grading premixed with bituminous binder at 5.4 to 5.6% of mix & filler transporting the hot mix to work site laying with hydrostatic paver finisher with sensor control to the required grade level and alignment compaction as per MORTH with bitumen 60/70						

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Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Qty vide pg no 164548/2 of M.B. 1646/10-11					94.67 cum.	
	1 x 30.0 x $\frac{5.0+5.3}{2}$ x 0.04					6.18 cum	
	1 x 30.0 x $\frac{5.3+5.6}{2}$ x 0.04					6.54 cum	
	1 x 30.0 x $\frac{5.6+4.8}{2}$ x 0.04					6.24 cum	
	1 x 30.0 x $\frac{4.8+5.0}{2}$ x 0.04					5.88 cum	
	1 x 29.50 x $\frac{5.6+5.10}{2}$ x 0.04					5.95 cum	
	Dpa vide pg no 164548/2 of M.B. 1646/10-11					125.46 cum	
						94.67 cum	
						30.79 cum	
	Qty now to be paid					29.82 cum	
						28.48	
	@ 8033-56					230219 = 80.	
						241133 = 60	

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167738

Serial No.....

Name of work..... From..... To.....

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Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
I-8.	carriage of mixed materials 10 kms						
	Qty vide pg no 164548/2 of M.B. 1646/10-11					224.36 cum	
	Qty vide item no 105.67-176.10+35.64+28.48 =					345.89 cum	
	(2+3+6+7)						
	Dpa vide pg no					570.25 cum	
	- Total Qty.						
I-8	carriage of mixed materials 10 kms					224.36 cum	
	Qty now to be paid.					345.89 cum	
I-9	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2m.					@ 53219	18398.00

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	And an average lift upto 0.50m excavated surface levelled and sides neatly dressed the disposed earth to be levelled & neatly after breaking complete as per specifications. DPQ vide Pg no 164549/1 of M.B. 1646/10-11 1268.73um 1286 (-) 128 DPQ now to be paid - Nil						
I-10.	plain cement concrete 1:3:6 mix with crushed stone aggregates 40mm nominal size mechanically mixed placed in foundation and compacted by vibration including curing for 14 days complete as per specification DP Qy vide Pg no 164541/1 & 164549/1 of M.B. 1646/10-11 128.82um DPQ now to be paid - Nil						

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167739

Serial No.....

Name of work.....

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Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
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I-11	Providing and laying cement concrete using 20mm & down size granite jelly of Ready mixed concrete (R.M.C) for R.C.C. Work laid in 15cm thick layers & well compacted vibrating curing finishing with necessary cement mortar form work and scaffolding to with stand pumping of concrete with all dead and lifts etc, complete R.M.C M-20 (1:1.5:3) for raft foundation column footing main and secondary beam DP Qy vide Pg no 164542/2 & 164549/2 of M.B. 1646/10-11 321.31um DPQ now to be paid - Nil						

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I-12	providing TMT steel reinforcement for R.C.C. work including straightening cutting bending hooking placing in position lapping and/or welding wherever required tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design complete as per specifications DPA vide pg no 164544/1 & 164550/1 of M.B. 245.41 Oct. 16/10-11 Qty now to be paid - Nil						
I-13	Providing and removing centering shuttering strutting propping etc, for edges of slabs and breaks in floor cills plinth including cost of all materials complete as per specifications DPA vide pg no 164544/1 & 164551/1 of M.B. 1646/10-11 Qty now to be paid - Nil						

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167740

Serial No.....

Name of work.....From.....To.....

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Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
I-14	supplying and fixing pre cast Reinforced cement concrete slab 10cm thick including cost of reinforcement as per design and drawing material cost of transportation hire charges of machinery cutting vertical face to get plain even surface etc complete with all lead & lift conveyance charges complete as per specifications DPA vide pg no 164544/2 of M.B. 1646/10-11 Qty now to be paid - nil						

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Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
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I-15	Providing and fixing pre cast solid concrete kerb stones made out of cell 214 and finished with CM 1:3 plastering and finishing cutting etc., complete of size 450 X 200 X 400 mm. Dpa vide pg no 164544/2 of M.B. 1646/10-11 (-) 1389.0 Nos Qty now to be paid - Nil -						
I-16	Providing and applying ready mix priming coat over concrete masonry asbestos cement sheet / plastered surface including preparing the surface after thoroughly cleaning of oil grease dirt & other foreign matter & sand preparing including cost of all material labour complete as per specifications. Dpa vide pg no 164551/2 of M.B. 1646/10-11 (-) 512.8 sqm Qty now to be paid - Nil -						

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167741

Serial No.....

Name of work.....From.....To.....

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Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
I-17	Painting two coats after filling the surface with enamel paint in approved shades on new plastered concrete surfaces with materials complete as per specifications. Dpa vide pg no 164552/9 of M.B. 1646/10-11 (-) 518.0 sqm Qty now to be paid - Nil -						
I-18	Disposal of debris to the final place of disposal with all lead & lifts and as directed by Engineer in charge. Dpa vide pg no 164545/1 of M.B. 1646/10-11 (-) 1134.89 sqm Qty now to be paid - Nil -						

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Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
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	<u>Rawi, N.I.C.</u> 10% KRIDL charges:- <u>Certificate</u> 1) certified that Contractor has done the work Satisfactory 2) certified that Contractor has removed all debris from work space 3) certified that there is no due work from Contractor side. <u>Rawi, N.I.C.</u> 29/1/13.	Total Amount:- 826071 = 00. 82607 = 00 908678 = 00.					

Certificate

- 1) Certified that Contractor has done the work Satisfactory.
- 2) Certified that Contractor has removed all debris from work spot.
- 3) Certified that there is no due work from Contractor side.

29/11/13.

29/8/13.

167742

Serial No.
Name of work. Annual maintenance of bus in ward no 12 in Shetty Ba From To

Name of Contractor of nature of Agency.

Date of commencement of work.

Date of commencement of work.....							
Date	Full description, etc., of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						122319.21	